



One transmitter
for multiple
measurements

Signet
9900 Transmitter

Benefits

The 9900 Transmitter offers “at-a-glance” visibility, easy set-up and the flexibility to combine it with different parameters.

As a new member of the Signet SmartPro™ family of instruments, the Signet 9900 Transmitter provides a single channel interface for many different parameters including Flow, pH/ORP, Conductivity/Resistivity, Salinity, Temperature, Pressure, Level and other sensors that output a 4 to 20 mA signal. The 9900 Transmitter (Generation II) has the added capability of supporting the Batch Module for batching control.



9900 Transmitter – Panel and Field Mount

With our PC COMM configuration tool you can easily set-up the parameters on your laptop.

Flexibility

One instrument for multiple measurements. Designed for complete flexibility, plug-in modules allow the unit to easily adapt to meet changing customer needs. Optional modules include Relay, Direct Conductivity/Resistivity, H COMM, Batch and a PC COMM configuration tool.

At-a-glance visibility

The highly illuminated display and extra large (3.90" x 3.90") auto-sensing backlit display can be viewed at 4-5 times the distance over traditional transmitters. Large characters are easily visible even in dark conditions. The display shows

separate lines for units, main and secondary measurements as well as a “dial-type” digital bar graph.

Quick and easy installation

The intuitive menu system is consistent with ProcessPro® and ProPoint® transmitters.



Relay Module

Direct Conductivity/
Resistivity Module

H COMM Module

Batch Module

0251 Configuration Tool

Features

Default values are available for quick and easy programming and can be customised if desired.

For at-a-glance visibility, the 9900 Transmitter features a large auto-sensing backlit display, "dial-type" bar graph and relay and warning LEDs. The intuitive menu system is consistent with ProcessPro® and ProPoint® transmitters, assuring you of a quicker and easier installation. The optional Relay, Direct Conductivity/Resistivity, H COMM and Batch plug-in modules offers ease of use. The PC COMM configuration tool allows you to easily set-up, review, save and load all modifiable parameters. The unit can be used with default values for quick and easy programming or can be customised with labelling, adjustable minimum and maximum dial settings, and unit and decimal measurement choices. The versatile device also allows third-party 4 to 20 mA signals to be used as an input (optional 8058 module required).



Features

One unit can replace ProPoint® and single-channel ProcessPro® instruments, dramatically reducing part numbers.

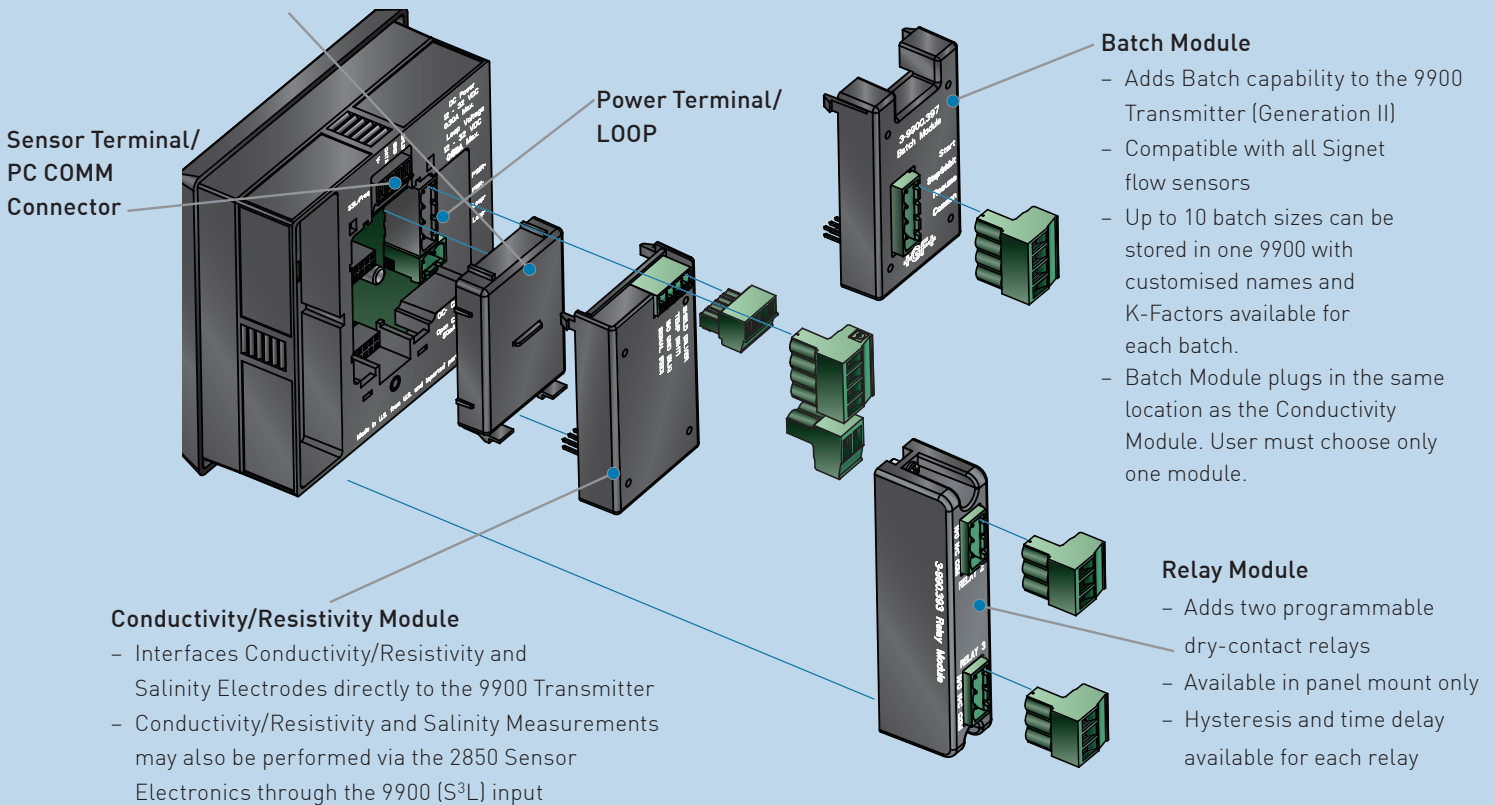
The 9900 Transmitter can be integrated in a panel unit or mounted in the field. Both configurations can run on 12 to 32 VDC power (24 VDC nominal) and can control many types of sensors on loop power. Customers have the option to convert their 9900 Transmitter (Generation II) to a Batch Controller by adding the Batch and Relay modules.

H COMM Module

- Allows communication between the 9900 Transmitter and any HART® enabled device
- Allows access to Primary and Secondary measurements remotely
- Allows user to remotely adjust the 4 and 20 mA settings
- Not compatible with Batch Module

PC COMM Tool

- Enables configuration and programming from a PC
- Settings from one 9900 Transmitter can be saved to a PC and applied to future installations
- Compatible with Windows 7, Vista and XP



Batch Module

- Adds Batch capability to the 9900 Transmitter (Generation II)
- Compatible with all Signet flow sensors
- Up to 10 batch sizes can be stored in one 9900 with customised names and K-Factors available for each batch.
- Batch Module plugs in the same location as the Conductivity Module. User must choose only one module.

Relay Module

- Adds two programmable dry-contact relays
- Available in panel mount only
- Hysteresis and time delay available for each relay

System Overview

The angle adjustment adapter kit quickly and easily converts your 9900 Field Mount Transmitter to any angle.

Additional accessories are available to help you with field installations. We provide solutions for field mounting by offering a separate mounting kit. The 3-8050 Universal Mount Kit, the 3-8051 or 8052 Integral Mount Kits, and the Angle Adjustment Adapter Kit enable the transmitter to be installed virtually anywhere. The adapter angles the transmitter by 25° degrees, allowing moisture to run off the display. The accessory enhances the versatility of the 9900 Field Mount Transmitter.



9900 Field Mount Transmitter

Field mounting requires a separate mounting kit. The 3-8050 Universal Mount Kit, the 3-8051 or 8052 Integral Mount Kits, and the Angle Adjustment Adapter Kit enable the transmitter to be installed virtually anywhere.



Angle Adjustment Adapter Kit

The angle adjustment adapter kit quickly and easily converts your 9900 Field Mount Transmitter to a 25° angle. This accessory enhances the versatility of the 9900 Field Mount Transmitter.



Mounting Kits

For Field Mount installations with a Conductivity/Resistivity Module, the Angle Adjustment Adapter is required along with a 3-8050, 8051 or 8052 adapter kit to allow for sufficient clearance for the wiring.

Applications

The 9900 Transmitter in a tank filling application.

The 9900 versatile parameter and modularity capabilities make the unit well suited for a variety of applications including wastewater treatment, reverse osmosis, deionisation, chemical manufacturing, metal and plastic finishing, fume scrubbers, cooling towers and media filtration.



9900 Transmitter



9900-1BC Batch Controller

Applications

No matter which processes and applications - GF Piping Systems supports its customers in every phase of the project.

From start to finish, we stand beside our customers as a competent, reliable and experienced partner, actively contributing the know-how of an industrial company that has been successful in the market for over 200 years. With our application knowledge and product expertise we support our customers during the planning process, the sustainable realisation of the projects and the provision of services.



Industrial & Municipal Water Treatment

Water treatment, whether it is for municipal or industrial applications, typically serves to improve the quality of the water to ensure public safety or to reduce negative impacts on process equipment and/or the environment. The 9900 Transmitter, part of the new SmartPro family, is ideal for use in measurement and control of various water treatment applications. Industrial Water Treatment applications include media

filtration, deionisation, desalination, cooling tower control, reverse osmosis, and fume scrubbers, while chlorine dioxide and ozone control are common in Municipal Water Treatment applications. Monitoring the quantity and quality of various parameters such as acidity/alkalinity of chemicals, salts, and chlorine concentrations are all important in delivering processed water to the quality standards demanded by each unique application.

Chemical Process Industry

The 9900 and applicable sensors can be used for measurement and control in the transport and dilution of various chemicals. Managing chemical tank levels and dosing of chemicals can all be monitored and controlled using the new 9900 Transmitter.

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